IN THE CLAIMS

Please amend the claims as follows:

Claims 1-5 (Cancelled)

Claim 6 (Currently Amended): A method for producing a transgenic plant, comprising:

(A) transforming a plant cell with a gene introduction vector which comprises a desired polynucleotide sequence and a selectable marker ~~gene~~ polynucleotide which encodes an enzyme that synthesizes auxin from an auxin precursor or synthesizes an auxin analogue from an auxin analogue precursor,

(B) culturing the transformed plant cell described in (A) in a medium containing the auxin precursor and/or auxin analog precursor under conditions suitable for production of a redifferentiated plant tissue expressing said desired polynucleotide sequence and said selectable marker [[gene]] polynucleotide from said transformed plant cell,

(C) detecting and selecting the redifferentiated plant tissue described in (B), and

(D) culturing the redifferentiated plant tissue described in (C) into a transgenic plant comprising said desired polynucleotide sequence.

Claim 7 (Currently Amended): The method of Claim 6, wherein said selectable marker polynucleotide synthesizes the auxin [[is]] indoleacetic acid (IAA).

Claim 8 (Currently Amended): The method of Claim 6, wherein said selectable marker polynucleotide synthesizes [[the]] an auxin that is not indoleacetic acid (IAA).

Claim 9 (Currently Amended): The method of Claim 6, wherein said selectable marker polynucleotide synthesizes the auxin analog [[is]] naphthaleneacetic acid (NAA).

Claim 10 (Currently Amended): The method of Claim 6, wherein said selectable marker polynucleotide synthesizes the auxin precursor [[is]] indoleacetamide.

Claim 11 (Currrently Amended): The method of Claim 6, wherein said selectable marker polynucleotide synthesizes the auxin analogue precursor [[is]] naphthaleneacetamide (NAM).

Claim 12 (Currently Amended): The method of Claim 6, wherein the [[gene]] polynucleotide for synthesizing auxin from the auxin precursor is an indoleacetamide hydrolase, *iaaH*, gene.

Claim 13 (Previously Presented): The method of Claim 6, wherein the vector further comprises a cytokinin synthesis gene.

Claim 14 (Previously Presented): The method of Claim 13, wherein the cytokinin synthesis gene is an isopentenyl transferase, *ipt*, gene.

Claim 15 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant virus.

Claim 16 (Previously Presented): The method of Claim 6, wherein the vector is introduced via a plant bacterium.

Claim 17 (Previously Presented): The method of Claim 6, wherein the vector is introduced using *Agrobacterium*.

Claim 18 (Previously Presented): The method of Claim 6, wherein the vector is introduced by a physical or chemical technique.

Claim 19 (Previously Presented): The method of Claim 6, wherein the vector comprises a GUS gene.

Claim 20 (Previously Presented): The method of Claim 6, wherein the vector comprises a kanamycin resistance gene.

Claim 21 (Previously Presented): The method of Claim 6, wherein the vector comprises a hygromycin resistance gene.

Claim 22 (Previously Presented): The method of Claim 6, wherein the vector comprises a sulfonylurea resistance gene.

Claim 23 (Previously Presented): The method of Claim 6, wherein the plant cell is *Eucalyptus*.

Claim 24 (Previously Presented): The method of Claim 6, wherein the plant cell is *Populus*.

Claim 25 (Currently Amended): A vector for introducing a desired ~~gene~~ polynucleotide into a plant comprising:

a desired polynucleotide, and

a selectable marker gene comprising an indoleacetamide hydrolase, *iaaH*, gene and an isopentenyl transferase, *ipt*, gene, wherein said vector is free of the tryptophan monooxygenase, *iaaM*, gene.

Claim 26 (New): A method for producing a transgenic plant, comprising:

(A) transforming a plant cell with a gene introduction vector which comprises

a desired polynucleotide sequence, and

a selectable marker polynucleotide which encodes indoleacetamide hydrolase;

(B) culturing the transformed plant cell described in (A) in a medium containing the auxin precursor and/or auxin analog precursor that is hydrolyzed into an auxin or auxin analog by indoleacetamide hydrolase under conditions suitable for production of a redifferentiated plant tissue expressing said desired polynucleotide sequence and said selectable marker polynucleotide from said transformed plant cell,

(C) detecting and selecting the redifferentiated plant tissue described in (B), and

(D) culturing the redifferentiated plant tissue described in (C) into a transgenic plant comprising said desired polynucleotide sequence.